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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/008,945	11/07/2001	Masaru Watanabe	MTS-3285	4814
75	05/10/2004		EXAM	INER
RATNER AND PRESTIA			JENKINS, DANIEL J	
One Westlakes.	Berwyn, Suite 301			
P.O. Box 980		ART UNIT	PAPER NUMBER	
Valley Forge, PA 19482-0980			1742	

DATE MAILED: 05/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)				
Office Action Summary		10/008,945	WATANABE ET AL.				
		Examiner	Art Unit				
		Daniel J. Jenkins	1742				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL'MAILING DATE OF THIS COMMUNICATION.  nsions of time may be available under the provisions of 37 CFR 1.1  SIX (6) MONTHS from the mailing date of this communication.  period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE!	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on 06 Fe	ebruary 2004.					
2a) <u></u> □	This action is <b>FINAL</b> . 2b)⊠ This	action is non-final.					
3) 🗌	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositi	ion of Claims						
4)⊠ Claim(s) <u>1-9</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) 🗌	5) Claim(s) is/are allowed.						
6)⊠	Claim(s) <u>1-9</u> is/are rejected.						
	Claim(s) is/are objected to.						
8)	Claim(s) are subject to restriction and/o	r election requirement.					
Applicati	on Papers						
9)	The specification is objected to by the Examine	г.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	The oath or declaration is objected to by the Ex	caminer. Note the attached Office	Action or form PTO-152.				
Priority u	ınder 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the prior						
	application from the International Bureau	ı (PCT Rule 17.2(a)).	-				
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment	:(s) e of References Cited (PTO-892)	A\	(DTO 442)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date							
	nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date <u>2/6/04</u> .	5)  Notice of Informal Page 1975 Other:	atent Application (PTO-152)				

Application/Control Number: 10/008,945

Art Unit: 1742

1. The Examiner makes a new rejection in the continuing prosecution of this Application, including new art submitted in the IDS of 2/6/04.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Japanese Publication 10-340727 (JP'727).

JP'727 discloses a method of forming an electrode comprising:

providing a currect collector (2);

providing a paste (5) to both sides of the current collector with dies (3);

drying (dessicating) the applied paste [0011]; and

rolling (pressing) the dried paste [0011].

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

<sup>(</sup>a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Application/Control Number: 10/008,945

Art Unit: 1742

- 5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 6. Claims 3-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP'727.

JP'727 discloses the invention substantially as claimed (see paragraph 3 above). However, JP'727 does not disclose the relationship of electrode thickness, applied paste thickness and nozzle gap as claimed by Applicant.

JP'727 does disclose wherein the current collector has a thickness of 5-30 um (see JP'727 Claim 16), and in the third embodiment, discloses a thickness of 5-100 um. JP'727 further discloses a mold gap distance of 100-1000 um (see Detailed Description [0016].

JP'727 further discloses an example of dried electrode of 250 um (see Means [0021]. Thus JP'727 discloses ranges and examples that are within ranges of the claimed ranges of Applicant, establishing a prima facie case of obviousness, allowing one of ordinary skill to determine the overall range of coating thinkness, collector thickess, and

Application/Control Number: 10/008,945

Art Unit: 1742

Art Offic. 1742

final electode thickess based on the selection of the collector and paste materials through routine experimentation based on the desired activity of the formed electrode. It is known in the prior art that both sides of the electrode be of similar activity, arrived by even active material material, determining this process parameter as controlled in the art, motivating one of ordinary skill to optimize the even application of the active material paste.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel J. Jenkins whose telephone number is 571-272-1242. The examiner can normally be reached on M-TH6:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy King can be reached on 571-272-1242. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Page 5

Daniel J. Jenkins Primary Examiner Art Unit 1742

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